IV-00-001.4

2171

March 5, 2002

To: Commissioner of Patents and Trademarks
Washington, D.C. 20231

Fr: George O. Saile, Reg. No. 19,572
20 McIntosh Drive
Poughkeepsie, N.Y. 12603

Subject:

| Serial No.   10/027,991   12/20/01 |

Monjong Chen et al.

A VIDEO DISTRIBUTION SYSTEM USING
DISK LOAD BALANCING BY FILE COPYING

| Grp. Art Unit: 2171 |

INFORMATION DISCLOSURE STATEMENT

Enclosed is Form PTO-1449, Information Disclosure Citation
In An Application.

The following Patents and/or Publications are submitted to
comply with the duty of disclosure under CFR 1.97-1.99 and
37 CFR 1.56. Copies of each document is included herewith.

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being
deposited with the United States Postal Service as first class
mail in an envelope addressed to: Commissioner of Patents and
Trademarks, Washington, D.C. 20231, on March 20, 2002.

Stephen B. Ackerman, Reg.# 37761

Signature/Date _____ 3/20/02

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U.S. Patent 6,101,546 to Hunt, "Method and System for Providing Data Files that are Partitioned by Delivery Time and Data Type", describes a method and system for providing data files that are partitioned by delivery time and data type.

U.S. Patent 6,018,359 to Kermode et al., "System and Method for Multicast Video-on-Demand Delivery System", illustrates a system and method for multicast video-on-demand delivery system.

U.S. Patent 5,930,473 to Teng et al., "Video Application Server for Mediating Live Video Services", discloses a video application server for mediating live video services.

U.S. Patent 6,101,547 to Mukherjee et al., "Inexpensive, Scalable and Open-Architecture Media Server", describes an inexpensive, scalable and open-architecture media server.

U.S. Patent 5,805,821 to Saxena et al., "Video Optimized Media Streamer User Interface Employing Non-Blocking Switching to Achieve Isochronous Data Transfers", teaches a video optimized media streamer user interface employing non-blocking switching to achieve isochronous data transfers.

U.S. Patent 5,414,455 to Hooper et al., "Segmented Video on Demand System", teaches a segmented video on demand system.

U.S. Patent 5,550,577 to Verbiest et al., "Video on Demand Network, Including a Central Video Server and Distributed Video Servers with Random Access Read/Write Memories", illustrates a video on demand network, including a central video server and distributed video servers with random access read/write memories.

"Performance Evaluation of QuickVideo OnDemand (QVOD) Server", InfoValue Computing, Inc. Technical Report IV-TR-QVOD-1999-07-1-1, July 8, 1999, pp. 1-10, InfoValue Computing, Inc., Elmsford, NY, describes a video on-demand system developed for high performance, effective and flexible, network-based, on-demand sharing of videos.

"Network Video Computing Via QuickVideo Suite", InfoValue Technical White Paper, InfoValue Computing, Inc., Elmsford, NY, 1999, describes Network Video Computing the core of which is video streaming.

"Web Distribution Systems: Caching and Replication" Chandbok, Ohio State University, 1999, found http://www.cis.ohio-state.edu/~jain/cis788-99/web_caching/index.html, 8/15/00, provides an overview of the current techniques for caching and replication of digital data on computer systems interconnected through a global or local digital communication network.

U.S. Patent 6,061,504 to Tzelnic et al., "Video File Server Using an Integrated Cached Disk Array and Stream Server Computers", illustrates a video data file server using an integrated cached disk array and stream server computer.

"Network Caching Guide", Goulde, Patricia Seybold Group for Inktomi Corp., pp. 1-42, Boston, MA, March 1999, describes the various types of caching approaches and the different ways for caches to be implemented.

"Inktomi Traffic Server - Media Cache Option", Inktomi Corporation, San Mateo, CA, 1999, found http://www.inktomi.com, 8/15/00, describes the caching option for the Inktomi Traffic Server to support streaming of video data files.

"Implementing Multiplexing, Streaming, and Server Interaction for MPEG-4", Kalva et al., IEEE Transactions On Circuits and Systems for Video Technology, Vol. 9, No. 8, December 1999, pp. 1299-1312, describes the implementation of a streaming client-server system for object-based audio-visual presentations in general and MPEG-4 content in particular.

U.S. Patent 6,088,721 to Lin et al., "Efficient Unified Replication and Caching Protocol", teaches an efficient unified replication and caching protocol.

"New Solution for Transparent Web Caching: Traffic Server 2.1 Supports WCCP", Inktomi Corporation, San Mateo, CA, 2000, found http://www.inktomi.com/product/network/traffic/tech/wccp, 8/15/00, describes the use of the Web Cache Control Protocol (WCCP) froom Cisco Systems, Inc. within Inktomi Corporation's Traffic Server.

"API Overview," Inktomi Corporation, San Mateo, CA, 2000, found http://www.inktomi.com/products/network/traffic/tech/wccp describes the application program interface tools that are available for the Inktomi Corporation's Traffic Server which allow customization or the Traffic Server's event processing thus allowing manipulation of hypertext transaction protocol (HTTP) transactions at any point in their lifetime.

"Web Cache Communication Protocol v2", Cisco Systems, Inc., San Jose, CA, found http://www.cisco/univercd/cc/td/ doc/product/software/ios120/120newft/120t/1203/weep.htm, 8/15/00, describes the protocol that allows the use of a Cisco Cache Engine to handle web traffic, reducing transmission costs and downloading time.

U.S. Patent 5,926,649 to Ma et al., "Media Server for Storage and Retrieval of Voluminous Multimedia Data", teaches a Media server for storage and retrieval of voluminous multimedia data.

"A Practical Methodology for Guaranteeing Quality of Service for Video-On-Demand", Zamora et al., IEEE Transactions On Circuits and Systems for Video Technology, Vol. 10, No. 1, February 2000, describes an approach for defining end-to-end quality of service (QoS) in video-on-demand (VoD) services.

U.S. Patent 5,936,659 to Viswanathan et al., "Method for Video Delivery Using Pyramid Broadcasting", illustrates a method for broadcasting movies within channels of a wide band network by breaking the communications path into a number of logical channels and breaking each movie up into a number of segments of increasing size.

U.S. Patent 5,973,679 to Abbott et al., "System and Method for Media Stream Indexing", describes an indexing method for allowing a viewer to control the mode of delivery of program material.

U.S. Patent 5,996,015 to Day et al., "Method of Delivering Seamless and Continuous Presentation of Multimedia Data Files to a Target Device by Assembling and Concatenating Multimedia Segments in Memory", describes a method of delivering seamless and continous presentation of multimedia data files to a target device by assembling and concatenating multimedia segments in memory.

U.S. Patent 5,608,448 to Smoral et al., "Hybrid Architecture for Video on Demand Server", describes a hybrid architecture for a video demand server.

U.S. Patent 6,061,732 to Korst et al., "Data Streaming System Utilizing an Asynchronous Technique for Retrieving Data from a Stream Server", describes a data streaming system utilizing an asynchronous technique for retrieving data from a stream server.

IV00-001.1, "Broadband Video Distribution System Using Segments," 09/748,442, Filing Date 12/27/01, IV00-001.2, "A Video Disbribution System Using Dynamic Segmenting of Video Data Files, 09/748,304, Filing Date 12/27/01, and IV00-001.3, "A Video Distribution System Using Disk Load Balancing, 10/025,242, Filing Date 12/19/01 are also related patents.

Sincerely,

Stephen B. Ackerman,
Reg. No. 37761

Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)	Application Number
IV-00-001.4	10/027,991

Applicant: Monsong Chen et al.

Filing Date	Group Art Unit
12/20/01	2171

(stamp: MAR 26 2002 — PATENT & TRADEMARK OFFICE)

U.S. PATENT DOCUMENTS

INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6101546	8/8/00	Hunt	709	231	5/14/98
	6018359	1/25/00	Kermode et al.	348	7	4/24/98
	5930473	7/27/99	Teng et al.	395	200.34	3/8/96
	6101547	8/8/00	Mukherjee et al.	709	231	7/14/98
	5805821	9/8/98	Saxena et al.	395	200.61	8/5/97
	5550577	8/27/96	Verbiest et al.	348	7	5/19/94
	6088721	7/11/00	Lin et al.	709	214	10/20/98
	6061504	5/9/00	Tzelnic et al.	395	200.49	6/10/96
	5926649	7/20/99	Ma et al.	395	826	10/23/96
	5936659	8/10/99	Viswanathan et al.	348	7	1/31/97
	5973679	10/26/99	Abbott et al.	345	302	3/31/97

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO

(stamp: RECEIVED MAR 2 8 2002 Technology Center 210)

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

"Performance Evaluation of Quick Video On Demand (QVOD) Server," InfoValue Computing, Inc. Technical Report IV-TR-QVOD-1999-07-1-1, July 8, 1999, pp. 1-10, InfoValue Computing, Inc., Elmsford, NY.

"Network Video Computing Via Quick Video Suite", InfoValue Technical White Paper, InfoValue Computing, Inc. Elmsford, NY, 1999.

"Web Distribution Systems: Caching and Replication" Chandbok, Ohio State University, 1999, found http://www.cis.ohio-state.edu/~jain/cis788-99/web-caching/index.html. 8/15/00.

"Network Caching Guide," Goulde, Patricia Seybold Group for Inktomi. Corp., pp. 1-42, Boston, MA, March 1999.

EXAMINER		DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Form PTO-1449	Docket Number (Optional)	Application Number
INFORMATION DISCLOSURE CITATION IN AN APPLICATION *(Use several sheets if necessary)*	IV-00-001.4	10/027,991
	Applicant Monsong Chen et al.	
	Filing Date 12/20/01	Group Art Unit 2171

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 9 9 6 0 1 5	11/30/99	Day et al.	709	226	10/31/97
	5 6 0 8 4 4 8	3/4/97	Smoral et al.	348	7	4/10/95
	6 0 6 1 7 3 2	5/9/00	Korst et al.	709	231	4/30/98
	5 4 1 4 4 5 5	5/9/95	Hooper et al.	348	7	7/7/93
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FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	"Inktomi Traffic Server-Media Cache Option", Inktomi Corporation, San Mateo, CA, 1999 found http://www.inktomi.com, 8/15/00.
	" Implementing Multiplexing, Streaming, and Server Interaction for MPEG-4", Kalva et al., IEEE Transactions On Circuits and Systems for Video Technology, Vol.9, No.8 December 1999, pp. 1299-1312.
	"New Solution for Transparent Web Caching: Traffic Server 2.1 Supports WCCP" Inktomi Corporation, San Mateo, CA 2000, found http://www.inktomi.com, product/network/traffic tech/wccp, 8/15/00.
	"API Overview," Inktomi Corporation, San Mateo, CA ,2000, found http://www.inktomi.com/products/network/traffic/tech/wccp.

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		Monsong Chen et al.		
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U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES	NO

OTHER DOCUMENTS   *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	"Web Cache Communication Protocol V2", Cisco Systems, Inc., San Jose, CA, found http://cisco/univercd/cc/td/doc/product/software/ios120/ 120newft/120t/1203/weep.htm, 8/15/00.
	"A Practical Methodology for Guaranteeing Quality of Service for Video-On-Demand" Zamora et al., IEEE Transactions On Circuits and Systems for Video Technology, Vol. 10, No. 1, Feb. 2000.
	The next 3 dockets are all assigned to the same assignee a this invention:

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	IV-00-001.1 Serial number 09/748,442, Filed 12/27/01 "A Video Distribution System Using Segments"	
	IV-00-001.2 Serial number 09/748,304 Filed 12/27/01 "A Video Distribution System Using Dynamic Segmenting of Video Files"	
	IV-00-001.3 Serial number 10/025,242, Filed 12/19/0 "A Video Distribution System Using Disk Load Balancing by File Copying"	

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